

IN THE CLAIMS

Please amend the claims as follows

1. (Currently Amended) A ~~sizing composition for the manufacture of a thermal and/or acoustic insulation product, comprising based on mineral fibers, especially glass fibers or rock fibers, characterized in that it~~ and a sizing composition which comprises at least one polycarboxylic acid and at least one polyamine.
2. (Currently Amended) The ~~composition product~~ product as claimed in claim 1, ~~characterized in that wherein~~ the polycarboxylic acid has a functionality, expressed by the number of carboxylic groups that can react with the polyamine, equal to or greater than 2, ~~preferably less than 5000, advantageously less than 2000 or even less than 500.~~
3. (Currently Amended) The ~~composition product~~ product as claimed in claim 1 ~~or 2,~~ ~~characterized in that , wherein~~ the polycarboxylic acid has a molecular mass ranging from 50 to 105 g/mol, ~~preferably less than 104 g/mol.~~
4. (Currently Amended) The ~~composition product~~ product as claimed in ~~one of claims 1 to 3,~~ ~~characterized in that claim 1, wherein~~ the polycarboxylic acid is ~~chosen from a~~ carboxylic acid ~~acids of with a~~ functionality equal to 2, ~~such as succinic acid, glutaric acid, adipic acid, azelaic acid, sebacic acid, tartaric acid, phthalic acid and tetrahydrophthalic acid, of a~~ carboxylic acid with a functionality equal to 3, ~~or a carboxylic acid with a~~ such as citric and trimellitic acid, ~~and of~~ functionality equal to 4, ~~such as 1,2,3,4 butanetetracarboxylic acid (BTCA).~~

5. (Currently Amended) The ~~composition~~ product ~~composition~~ as claimed in claim 4, ~~characterized in that~~ wherein the carboxylic acid is citric acid, tartaric acid or 1,2,3,4-butanetetracarboxylic acid (BTCA).

6. (Currently Amended) The ~~composition~~ product as claimed in claim 3, ~~characterized in that~~ wherein the polycarboxylic acid is chosen from oligomers and polymers that are obtained by homopolymerization of unsaturated acids, ~~such as acrylic acid, methacrylic acid, crotonic acid, isocrotonic acid, maleic acid, cinnamic acid, 2-methylmaleic acid, itaconic acid, 2-methylitaconic acid and  $\alpha,\beta$ -methylene-glutaric acid, and or~~ by copolymerization of one or more of these monomers with one or more other, hydrophilic and/or hydrophobic, unsaturated monomers selected from olefins, ~~such as ethylene, propylene and isobutylene, styrene and its derivatives,~~ and macromonomers having terminal unsaturation.

7. (Currently Amended) The ~~composition~~ product as claimed in claim 6, ~~characterized in that~~ wherein the polycarboxylic acid is ~~chosen from polyacrylies~~ a polyacrylic copolymer ~~such as poly(acrylic acid), ethylene/acrylic acid copolymers and acrylic acid/maleic acid copolymers.~~

8. (Currently Amended) The ~~composition~~ product as claimed in ~~one of claims 1 to 7,~~ ~~characterized in that~~ claim 1, wherein the polyamine has a functionality, expressed by the number of amine functional groups, equal to or greater than 2, ~~preferably less than 200.~~

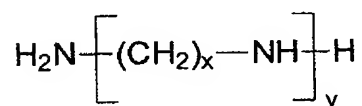
9. (Currently Amended) The ~~composition~~ product as claimed in ~~one of claims 1 to 8,~~ ~~characterized in that~~ claim 1, wherein the amine functional groups are primary and/or secondary amine functional groups.

10. (Currently Amended) The ~~composition~~ product as claimed in ~~one of claims 1 to 9,~~  
~~characterized in that claim 1, wherein~~ the polyamine is chosen from aliphatic polyamines  
having a saturated or unsaturated, linear or branched chain, possibly containing one or more  
heteroatoms, ~~especially N and/or O,~~ and aromatic polyamines.

11. (Currently Amended) The ~~composition~~ product as claimed in ~~one of claims 1 to 10,~~  
~~characterized in that claim 1, wherein~~ the polyamine has a molecular mass of less than 1000  
g/mol, ~~preferably than 500 g/mol.~~

12. (Currently Amended) The ~~composition~~ product as claimed in ~~one of claims 1 to 11,~~  
~~characterized in that claim 1, wherein~~ the polyamine is chosen from:

- compounds of formula:



in which:

x varies from 2 to 10, ~~preferably 2 to 4~~ and

y varies from 1 to 10;

- polyethyleneimines, polyaminostyrenes, and products resulting from the  
degradation of chitin in basic medium (chitosans).

13. (Currently Amended) The ~~composition~~ product as claimed in ~~one of claims 1 to 12,~~  
~~characterized in that it claim 1, which~~ comprises, expressed in parts of dry matter of the

sizing composition, from 20 to 80 parts by weight of polycarboxylic acid and from 80 to 20 parts by weight of polyamine.

14. (Currently Amended) The composition product as claimed in ~~one of claims 1 to 13,~~  
~~characterized in that it furthermore includes;~~ claim 1, wherein the sizing composition further  
comprises per 100 parts by weight of dry matter of polycarboxylic acid and of polyamine:

- from 0 to 20 parts, ~~preferably 6 to 15 parts,~~ of an oil;
- 0 to 2 parts, ~~preferably 0.4 parts,~~ of a silane;
- 0 to 5 parts of a catalyst; and
- 0 to 20 parts of a plasticizer.

Claims 15-20 (Cancelled).

21. (Currently Amended) The composition product ~~The mineral fibers as claimed in claim~~  
~~20, characterized in that they consist of~~ of claim 1, wherein the mineral fibers are glass fibers  
or rock fibers.

Claim 22 (Cancelled).

23. (Currently Amended) The composition product of claim 1, which is a [[A]] veil of  
mineral fibers, ~~especially glass fibers,~~ ~~characterized in that it comprises fibers as claimed in~~  
~~claim 19 and in that it has~~ with a grammage of between 10 and 300 g/m<sup>2</sup>.

24. (New) A method of manufacturing the insulation product of claim 1, comprising  
preparing a sizing composition by diluting or emulsifying, in water, the polycarboxylic acid

and the polyamine; aplying the sizing composition to the mineral fibers, and heating the seized mineral fibers to cure the sizing composition.

25. (New) The method as claimed in claim 24, wherein the polycarboxylic acid is present in the sizing composition in an amount of at least 10% by weight of the sizing composition and the polyamine is present in the sizing composition in an amount of at least 10% by weight of the sizing composition.

26. (New) The method as claimed in claim 24, further comprising adding at least one additive selected from the group consisting of oil, silane, catalyst, and plasticizer to the sizing composition after the polycarboxylic acid is added.

27. (New) The method as claimed in claim 24, wherein the sizing composition comprising the polycarboxylic acid and the polyamine is heated to a temperature of about 50 to 100°C before being applied to the mineral fibers.